

**RECEIVED
CENTRAL FAX CENTER****JAN 04 2005**800.0046
A1140

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Pechanek et al.

Serial No.: 10/004,010

Filed: November 1, 2001

For: METHODS AND APPARATUS FOR EFFICIENT COMPLEX LONG
MULTIPLICATION AND COVARIANCE MATRIX IMPLEMENTATION

Group: 2124

Examiner: Do, Chat C

Durham, North Carolina
January 4, 2005Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**CERTIFICATION OF FACSIMILE TRANSMISSION**

Sirs:

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax. No. 703-872-9306 on the date set forth below.

1. Amendment Transmittal (2 pages)
2. Amendment (22 pages)

Marianna Tortorelli

Printed name of person signing

Marianna Tortorelli

Signature

Date: January 4, 2005

RECEIVED
CENTRAL FAX CENTER

JAN 04 2005

800.0046
A1140

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Pechanek et al.

Serial No.: 10/004,010

Filed: November 1, 2001

For: METHODS AND APPARATUS FOR EFFICIENT COMPLEX LONG
MULTIPLICATION AND COVARIANCE MATRIX IMPLEMENTATION

Group: 2124

Examiner: Do, Chat C

Durham, North Carolina
January 4, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Amendment Transmittal

Sir:

1. Transmitted herewith is an Amendment for the above-identified application, responsive to an Office Action dated October 5, 2004.

FEE FOR CLAIMS AS AMENDED

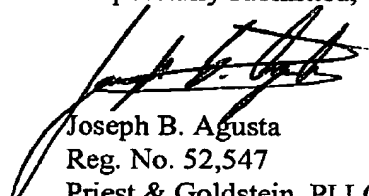
2. ☒ [X] No additional fee is required.
☐ [] The additional fee has been calculated as shown below:

CLAIMS AS AMENDED

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate		Additional Fee
Total Claims	31	-	41	0	x \$50.00	=	0.00
Independent Claims	6	-	8	0	x \$200.00	=	0.00
Multiple Dependent Claims		-			x \$360.00	=	
TOTAL							\$ 0.00

3. ☐ Enclosed is our check for \$ _____ to cover the filing fee.
- ☐ Charge the fee of \$ _____ to Law Offices of Peter H. Priest **Deposit Account No. 50-1058.**
- ☐ Charge the fee of \$ _____ for a 1 month extension of time to Law Offices of Peter H. Priest **Deposit Account No. 50-1058.** This letter petitions for a 1 month extension of time to respond.
4. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for this amendment, including any fee for extension of time or credit any overpayment to Law Offices of Peter H. Priest **Deposit Account No. 50-1058.**

Respectfully submitted,


Joseph B. Agusta
Reg. No. 52,547
Priest & Goldstein, PLLC
5015 Southpark Drive, Suite 230
Durham, NC 27713-7736
(919) 806-1600

RECEIVED
CENTRAL FAX CENTER

JAN 04 2005

800.0046
A1140

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Pechanek et al.

Serial No.: 10/004,010

Filed: November 1, 2001

For: METHODS AND APPARATUS FOR EFFICIENT COMPLEX LONG
MULTIPLICATION AND COVARIANCE MATRIX IMPLEMENTATION

Group: 2124

Examiner: Do, Chat C

Durham, North Carolina
January 4, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Amendment

Sir:

In response to the Official Action of October 5, 2004, please amend the above identified application as follows: